



**MSI Gaming Thin GF63 12VE-424UK Intel® Core™ i5 i5-12450H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Black**

**Brand :** MSI

**Product family:** Gaming

**Product code:** THIN GF63 12VE-424UK



**Product name :** Thin GF63 12VE-424UK



- Windows 11 Home  
 - Intel Core i5-12450H (12MB Cache)  
 - 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 4050 (6GB GDDR6)  
 - 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 512GB SSD  
 Intel Core i5-12450H (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home  
 MSI Gaming Thin GF63 12VE-424UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12450H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Black



Design		Audio	
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Speakers manufacturer	Nahimic
Form factor *	Clamshell	Speaker power	2 W
Display		Camera	
Display diagonal *	39.6 cm (15.6")	Front camera	✓
Display resolution *	1920 x 1080 pixels	Front camera HD type	HD
Touchscreen *	✗	Video capturing speed	30 fps
HD type	Full HD	Network	
Display brightness	250 cd/m <sup>2</sup>	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6 AX201
Processor family *	Intel® Core™ i5	Ethernet LAN	✓
Processor generation	12th gen Intel® Core™ i5	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor model *	i5-12450H	Bluetooth	✓
Processor cores	8	Bluetooth version	5.2
Processor boost frequency	4.4 GHz	Ports & interfaces	
Performance cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Efficient cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Performance-core Max Turbo Frequency	4.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	3.3 GHz	HDMI ports quantity *	1
Processor cache	12 MB	Headphone outputs	1
Processor cache type	Smart Cache	Microphone in	✓
Configurable TDP-down	35 W	Performance	
Processor base power	45 W	Motherboard chipset	Intel HM670
Maximum turbo power	95 W		

<b>Memory</b>		<b>Keyboard</b>	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR4-SDRAM	Numeric keypad *	✗
Memory clock speed	3200 MHz	Keyboard backlit	✓
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit colour	Red
Maximum internal memory *	64 GB	<b>Software</b>	
<b>Storage</b>		Operating system installed *	Windows 11 Home
Total storage capacity *	512 GB	<b>Processor special features</b>	
Storage media *	SSD	Intel Flex Memory Access	✓
Total SSDs capacity	512 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	512 GB	CPU configuration (max)	1
SSD interface	PCI Express 4.0	Embedded options available	✗
NVMe	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
<b>Graphics</b>		<b>Battery</b>	
Discrete GPU manufacturer	NVIDIA	Number of battery cells	3
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Battery capacity *	52.4 Wh
Discrete graphics card memory	6 GB	<b>Power</b>	
Discrete graphics memory type	GDDR6	AC adapter power	120 W
On-board graphics card *	✓	<b>Security</b>	
On-board GPU manufacturer	Intel	Cable lock slot	✓
Discrete graphics card *	✓	Cable lock slot type	Kensington
On-board graphics card family	Intel® UHD Graphics	<b>Weight &amp; dimensions</b>	
On-board graphics card model *	Intel® UHD Graphics	Width	359 mm
<b>Audio</b>		Depth	254 mm
Audio system	NAHIMIC 3	Height	21.7 mm
		Weight *	1.86 kg



4711377098731

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 18-JUN-2024. Prints or copies of Information are only valid on the printed Publication date